

ABSTRACT OF THE DISCLOSURE

5 A method of detecting a frequency or a combination of frequencies in a signal by processing the signal by means of an appropriate algorithm includes an operation of estimating filter coefficients for characterizing the signal using a least mean squares algorithm and an operation of computing a Euclidean distance between the signal to which the detection method is applied and at least the frequency or combination of frequencies to be detected using the filter coefficients obtained for the signal to which the detection method is applied by the estimation operation and the same number of corresponding particular filter coefficients that  
10 characterize the frequency or combination of frequencies to be detected. That frequency or combination of frequencies is considered as having been detected in the signal to which the detection method is applied if the computed Euclidean distance is below a particular threshold value.